

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/785,019B
Source: IFW/6
Date Processed by STIC: 3/8/65

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 03/08/2005

PATENT APPLICATION: US/09/785,019B

TIME: 11:34:47

Input Set : D:\465c4.app.txt

Output Set: N:\CRF4\03082005\I785019B.raw

```

3 <110> APPLICANT: Gaiger, Alexander
4      Cheever, Martin A.
5      McNeill, Patricia D.
6      Smithgall, Molly
7      Moulton, Gus
8      Vedvick, Thomas S.
9      Sleath, Paul
12 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR WT1
13      SPECIFIC IMMUNOTHERAPY
15 <130> FILE REFERENCE: 210121.465C4
17 <140> CURRENT APPLICATION NUMBER: US 09/785,019B
18 <141> CURRENT FILING DATE: 2001-02-15
20 <160> NUMBER OF SEQ ID NOS: 376
22 <170> SOFTWARE: FastSEQ for Windows Version 3.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 17
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapien
29 <400> SEQUENCE: 1
30  Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro Ser Leu Gly Gly Gly
31  1          5          10          15
32  Gly
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 23
37 <212> TYPE: PRT
38 <213> ORGANISM: Homo sapien
40 <400> SEQUENCE: 2
41  Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
42  1          5          10          15
43  Tyr Leu Pro Ser Cys Leu Glu
44          20
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 23
48 <212> TYPE: PRT
49 <213> ORGANISM: Mus musculus
51 <400> SEQUENCE: 3
52  Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
53  1          5          10          15
54  Tyr Leu Pro Ser Cys Leu Glu
55          20
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 19
59 <212> TYPE: PRT

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60 <213> ORGANISM: Homo sapien
62 <400> SEQUENCE: 4
63 Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser Ser Val Lys
64 1 5 10 15
65 Trp Thr Glu
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 22
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: PCR primer for human WT1 amplification - P118
76 <400> SEQUENCE: 5
77 gagagtcaga cttgaaagca gt 22
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 20
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: PCR primer for human WT1 amplification - P135
87 <400> SEQUENCE: 6
88 ctgagcctca gcaaattgggc 20
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 27
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: PCR primer for human WT1 amplification - P136
98 <400> SEQUENCE: 7
99 gagcatgcat gggctccgac gtgcggg 27
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 25
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: PCR primer for human WT1 amplification - P137
109 <400> SEQUENCE: 8
110 ggggtaccca ctgaacggtc cccga 25
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 18
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: PCR primer for mouse WT1 amplification - P138
120 <400> SEQUENCE: 9
121 tccgagccgc acctcatg 18
123 <210> SEQ ID NO: 10
124 <211> LENGTH: 18
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126 <213> ORGANISM: Artificial Sequence

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128 <220> FEATURE:
129 <223> OTHER INFORMATION: PCR primer for mouse WT1 amplification - P139
131 <400> SEQUENCE: 10
132   gcctgggatg ctggactg                                     18
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135 <211> LENGTH: 27
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: PCR primer for mouse WT1 amplification - P140
142 <400> SEQUENCE: 11
143   gagcatgcga tgggttccga cgtgcgg                             27
145 <210> SEQ ID NO: 12
146 <211> LENGTH: 29
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: PCR primer for mouse WT1 amplification - P141
153 <400> SEQUENCE: 12
154   ggggtacctc aaagcgccac gtggagttt                         29
156 <210> SEQ ID NO: 13
157 <211> LENGTH: 17
158 <212> TYPE: PRT
159 <213> ORGANISM: Mus musculus
161 <400> SEQUENCE: 13
162   Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Ser Ser Leu Gly Gly Gly
163     1           5           10           15
164   Gly
167 <210> SEQ ID NO: 14
168 <211> LENGTH: 19
169 <212> TYPE: PRT
170 <213> ORGANISM: Mus musculus
172 <400> SEQUENCE: 14
173   Gly Ala Thr Leu Lys Gly Met Ala Ala Gly Ser Ser Ser Ser Val Lys
174     1           5           10           15
175   Trp Thr Glu
178 <210> SEQ ID NO: 15
179 <211> LENGTH: 15
180 <212> TYPE: PRT
181 <213> ORGANISM: Homo sapien
183 <400> SEQUENCE: 15
184   Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
185     1           5           10           15
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188 <211> LENGTH: 15
189 <212> TYPE: PRT
190 <213> ORGANISM: Mus musculus
192 <400> SEQUENCE: 16
193   Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg

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194      1          5          10          15
196 <210> SEQ ID NO: 17
197 <211> LENGTH: 14
198 <212> TYPE: PRT
199 <213> ORGANISM: Mus musculus
201 <400> SEQUENCE: 17
202 Val Arg Arg Val Ser Gly Val Ala Pro Thr Leu Val Arg Ser
203      1          5          10
205 <210> SEQ ID NO: 18
206 <211> LENGTH: 14
207 <212> TYPE: PRT
208 <213> ORGANISM: Homo sapien
210 <400> SEQUENCE: 18
211 Val Arg Arg Val Pro Gly Val Ala Pro Thr Leu Val Arg Ser
212      1          5          10
214 <210> SEQ ID NO: 19
215 <211> LENGTH: 15
216 <212> TYPE: PRT
217 <213> ORGANISM: Homo sapien
219 <400> SEQUENCE: 19
220 Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His
221      1          5          10          15
223 <210> SEQ ID NO: 20
224 <211> LENGTH: 15
225 <212> TYPE: PRT
226 <213> ORGANISM: Mus musculus
228 <400> SEQUENCE: 20
229 Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His
230      1          5          10          15
232 <210> SEQ ID NO: 21
233 <211> LENGTH: 21
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: PCR primer for mouse WT1 amplification - P115
240 <400> SEQUENCE: 21
241 cccaggctgc aataagagat a 21
243 <210> SEQ ID NO: 22
244 <211> LENGTH: 21
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: PCR primer for mouse WT1 amplification - P116
251 <400> SEQUENCE: 22
252 atgttgtgat ggcggaccaa t 21
254 <210> SEQ ID NO: 23
255 <211> LENGTH: 20
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence

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Input Set : D:\465c4.app.txt

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259 <220> FEATURE:
260 <223> OTHER INFORMATION: Beta Actin primer used in control reactions
262 <400> SEQUENCE: 23
263 gtggggcgcc ccaggcacca 20
265 <210> SEQ ID NO: 24
266 <211> LENGTH: 24
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Beta Actin primer used in control reactions
273 <400> SEQUENCE: 24
274 gtccttaatg ctacgcacga ttcc 24
276 <210> SEQ ID NO: 25
277 <211> LENGTH: 21
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: PCR primer for human WT1 amplification - P117
284 <400> SEQUENCE: 25
285 ggcattctgag accagtgaga a 21
287 <210> SEQ ID NO: 26
288 <211> LENGTH: 21
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: PCR primer for mouse WT1 amplification - P119
295 <400> SEQUENCE: 26
296 gctgtccac ttacagatgc a 21
298 <210> SEQ ID NO: 27
299 <211> LENGTH: 21
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: PCR primer for mouse WT1 amplification - P120
306 <400> SEQUENCE: 27
307 tcaaagcgcc agctggagtt t 21
309 <210> SEQ ID NO: 28
310 <211> LENGTH: 9
311 <212> TYPE: PRT
312 <213> ORGANISM: Homo sapien
314 <400> SEQUENCE: 28
315 Ala Ala Gly Ser Ser Ser Ser Val Lys
316 1 5
318 <210> SEQ ID NO: 29
319 <211> LENGTH: 9
320 <212> TYPE: PRT
321 <213> ORGANISM: Homo sapien
323 <400> SEQUENCE: 29
324 Ala Ala Gln Phe Pro Asn His Ser Phe

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VERIFICATION SUMMARY

DATE: 03/08/2005

PATENT APPLICATION: US/09/785,019B

TIME: 11:34:48

Input Set : D:\465c4.app.txt

Output Set: N:\CRF4\03082005\I785019B.raw